

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for transmitting a dedicated physical data channel signal over a dedicated physical data channel in the absence of transmission data to be transmitted over the dedicated physical data channel in order to properly maintain a target SIR (Signal-to-Interference Ratio) when there exists new transmission data after the absence of the transmission data in a CDMA (Code Division Multiple Access) mobile communication system, comprising the steps of:

generating a dummy bit generation request signal in the absence of the transmission data;

and

upon receipt of the dummy bit generation request signal, generating a dummy bit stream, and transmitting a dedicated physical data channel signal created by attaching the CRC (Cycle Redundancy Check) bit stream to the dummy bit stream over a dedicated physical data channel in order to maintain the target SIR (Signal-to-Interference Ratio).

2. (Original) The method as claimed in claim 1, wherein the dummy bit stream is equal in a number of bits to data bits transmitted over the dedicated physical data channel when the transmission data is present.

3. (Original) The method as claimed in claim 1, wherein the dummy bit stream has a predetermined number of bits.

Claims 4-6. (Cancelled)

7. (Currently Amended) An apparatus for transmitting a dedicated physical data channel signal over a dedicated physical data channel in the absence of transmission data to be

transmitted over the dedicated physical data channel in order to properly maintain a target SIR when there exists new transmission data after the absence of the transmission data in a CDMA mobile communication system, comprising:

a controller for generating a dummy bit generation request signal in the absence of the transmission data;

a dummy bit generator for generating a dummy bit stream upon receipt of the dummy bit generation request signal;

a CRC (Cyclic Redundancy Check) attachment part for attaching a CRC bit stream to the dummy bit stream; and

a channel multiplexing part for mapping a first bit stream created by attaching the CRC bit stream and the dummy bit stream to the dedicated physical data channel in order to maintain the target SIR (Signal-to-Interference Ratio).

8. (Original) The apparatus as claimed in claim 7, wherein the dummy bit stream is equal in bit number to data bits transmitted over the dedicated physical data channel when the transmission data is present.

9. (Original) The apparatus as claimed in claim 7, wherein the dummy bit stream has a predetermined number of bits.

Claims 10-12. (Cancelled)